

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. - 5. (Cancelled)

6. (Currently Amended) A transducer-supporting structure comprising:

a transducer for recording and reproducing information to and from a medium;

a transducer mounting section mounted with said transducer and configured to contact said medium by means of mechanical action or to maintain a fixed distance from said medium;

a suspension which supports said transducer mounting section and elastically positions said transducer in a direction such-so as to move said transducer to and from said medium; and

a thermal coupling member extending between said tranducer and said transducer mounting section for thermally coupling said transducer with said suspension,

wherein said thermal coupling member being-is a gel-form substance, and said transducer and said suspension are-being coupled thermally with each other via said gel-form substance, and

at least a part of heat generated in said transducer is dissipated through said suspension via said gel-form substance.

7. (Currently Amended) A transducer-supporting structure comprising:

a transducer for recording and reproducing information to and from a medium;

a transducer mounting section mounted with said transducer and configured to contact said medium by means of mechanical action or to maintain a fixed distance from said medium;

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heat dissipating means formed integrally with said transducer and providing connection between said transducer and said transducer mounting section; and

a suspension for holding said transducer at a desired position with respect to said recording medium,

wherein said heat dissipating means thermally couples said transducer and said suspension, and

at least a portion of heat generated in said transducer is dissipated through said suspension via said heat dissipating means.

8. (Currently Amended) The transducer-supporting structure according to claim 7, wherein said transducer is an electromagnetic transducer.

9. (Previously Presented) The transducer-supporting structure according to claim 7, wherein said transducer is an electro-optical transducer.

10. - 13. (Cancelled)